

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE J		PAGE OF PAGES 1	
2. AMENDMENT/MODIFICATION NO. 0001		3. EFFECTIVE DATE 18-May-2010		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)	
6. ISSUED BY AFGHANISTAN DISTRICT NORTH (AEN) US ARMY CORPS OF ENGINEERS OPERATION ENDURING FREEDOM APO AE 09356		CODE W5J9JE		7. ADMINISTERED BY (If other than item 6) See Item 6			
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO. W5J9JE-10-R-0068			
				<input checked="" type="checkbox"/> 9B. DATED (SEE ITEM 11) 09-May-2010			
				10A. MOD. OF CONTRACT/ORDER NO.			
				10B. DATED (SEE ITEM 13)			
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Solicitation is amendmend to revise the Sections 00110 and 01010. The date for receipt of proposals remains 30 May at 3:00 p.m.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)				BY _____ (Signature of Contracting Officer)		18-May-2010	

SECTION 00110
INSTRUCTIONS, CONDITIONS, AND NOTICES TO BIDDERS

LOWEST PRICED TECHNICALLY ACCEPTABLE (LPTA)

1. DEFINITION

This solicitation is for a firm fixed price type contract to acquire: Site Adapt Construction Uniformed Police District Headquarters, Jablusraraj, Parwan Province.

This work includes, but is not limited to, management, planning, design, material, labor, and equipment, to site adapt and construct all utilities, vehicular access, buildings, force protection measures, site security, de-mining activities, and other features as referenced herein.

When the word 'Offeror' is encountered throughout this Section 00110, it is intended to mean a company or Joint Venture seeking to do business with the Government that submits a proposal in response to this solicitation.

A proposal is documentation prepared by the Offeror and submitted to the Government for evaluation purposes in response to this solicitation.

When the word 'Government' is encountered throughout this Section 00110, it is intended to mean U.S. Army Corps of Engineers Afghanistan District-North (AED-N).

Proposals for this solicitation will be accepted until the date and time indicated on Standard Form 1442. Perspective Offerors should submit inquiries related to this solicitation only by e-mail to:

E-MAIL ADDRESS: Martha.L.Jackson@usace.army.mil

Include the solicitation number, and project title with any questions/clarifications. Written questions must be received by this office not later than 4 calendar days prior to the date set for receipt of offers. **TELEPHONE INQUIRIES WILL NOT BE ACCEPTED.**

Oral explanations or instructions are not binding. Any information given to an Offeror which impacts the solicitation and/or offer will be given in the form of a written amendment to the solicitation.

As this is a competitive negotiation acquisition, there is no public bid opening and no information will be given out as to the number of Offerors or the results of the competition until all awards are made.

2. DIRECTIONS FOR SUBMITTING PROPOSALS

Offers must be in sealed envelopes/packages, marked and addressed as follows:
MARK PACKAGES:

Solicitation No. W5J9JE-10-R-0068
Offer Closing Date: 30 May 2010
Offer Closing Time: 3:00 p.m. (LOCAL KABUL TIME)

ADDRESS PACKAGES TO:

U.S. Army Corps of Engineers (USACE)
Afghanistan Engineer District-North (AED-N)
Qalaa House, Attention: Martha L. Jackson
Kabul, Afghanistan

Special Instructions Pertaining to Hand Carried Offers: Hand-carried offers must be delivered to the USACE AED office, Qalaa House, Kabul, Afghanistan. Offerors who desire to hand-deliver their offers must give properly marked package(s) to the guard at the entrance gate to Qalaa House Compound no later than the time specified above (hand receipts provided upon request).

PROPOSALS SUBMITTED AFTER THE DATE AND TIMES ESTABLISHED FOR SUBMISSION OF PROPOSALS WILL NOT BE EVALUATED.

3. PREPROPOSAL CONFERENCE / SITE VISIT

A Pre-proposal Conference was held at Qalaa House in Kabul. The conference slides and information are located on the AEN website at
<http://www.aed.usace.army.mil/contracting2010.asp>

An organized site visit will not be held. Vendors may visit the site on their own schedule and at their own risk.

IMPORTANT NOTES. (1) Remarks and explanations addressed during the conference shall not qualify or alter the terms and conditions of the solicitation. (2) The terms and conditions of the solicitation remain unchanged unless the solicitation is formally amended in writing by the Contracting Officer.

4. ELECTRONIC OFFERS

FAXED PROPOSALS, MODIFICATIONS THERETO, OR CANCELLATIONS WILL NOT BE ACCEPTED. However, proposals may be withdrawn in writing by letter or e-mail. Any written notice to withdraw an offer sent to this office must be received in the office

designated in the Request for Proposal (RFP) for receipt of offers not later than the exact date and time set for receipt of proposals.

5. PROPOSALS SHALL BE SUBMITTED IN THE FOLLOWING FORMAT:

Proposal Package	<u>Original</u>	<u>Copies</u>
VOLUME 1 – Technical Proposal	1	3

FACTOR 1 – Experience

FACTOR 2 – Key Personnel

FACTOR 3 - Security

FACTOR 4 – Past Performance

FACTOR 5 – Afghan Capacity Development

Volume 1 shall also include the following:

- Letters of Commitments for Subcontractors (if applicable)
- Joint Venture Agreement (if applicable)

	<u>Original</u>	<u>Copies</u>
VOLUME 2 – Price Proposal and Administrative Submission	1	0

FACTOR 6 – Price Proposal

Volume 2 shall also include the following:

- Signed offer, Standard Form 1442
- Pricing Schedule
- Representation and Certifications, Section 00600
- All Amendments, signed and dated
- Offeror's e-mail address and cell phone number
- Name, Address, DUNS, CAGE and TAX Identification Number of the Contractor submitting the proposal

Failure to submit these documents may result in rejection of the proposal. The Government will not make assumptions concerning intent, capabilities, or experience. Clear identification of proposal details shall be the sole responsibility of the Offeror. The Government will reject incomplete proposals after initial evaluation without further consideration. Therefore the proposal shall meet the following basic requirements identified in paragraph 6:

6. PROPOSAL SUBMISSION REQUIREMENTS AND INSTRUCTIONS

a. REQUIREMENT FOR SEPARATE TECHNICAL AND PRICE PROPOSALS.

DO NOT MIX CONTENTS OF VOLUME 1 (Technical) AND VOLUME 2 (Price) IN THE SAME BINDER.

(1) The Proposal shall be typed and submitted in English, and easy to read.

(2) Each Offeror must submit a Technical Proposal and a Price Proposal. The Technical Proposal and the Price Proposal must be submitted as separate volumes. Both the Technical and price proposal shall contain page numbers.

The outside of each separate volume (Vol 1 – Technical; Vol 2 – Price) must be clearly marked to indicate its contents; and the identity of the Offeror. Additionally, identify the “original” Technical proposal and the “original” cost/price proposal on the outside cover.

(3) Both the Technical Proposal and the Price Proposal must be received by the closing date and time set for receipt of proposals.

(4) Pricing Schedule, Vol 2, shall be completed in full

(5) Do not include any dollar amounts from the Price Proposal in the Technical Proposal.

(6) All information intended to be evaluated as part of the Technical Proposal must be submitted as part of the Technical Proposal. Do not cross-reference similar material in the Price Proposal, or vice versa. Also, do not include links to websites in your proposal.

(7) Do not include exceptions to the terms and conditions of the solicitation in either the technical or price proposal. Should the Offeror include terms and conditions that conflict with the terms and conditions of the Solicitation, the offer may be determined "unacceptable" and thus ineligible for award. Any questions related to specific terms and conditions contained within the Solicitation should be resolved prior to submission of the offer. Notwithstanding the above, the Offeror must clearly describe in the Proposal Cover Sheet submitted with the Price Proposal any exceptions to the contractual and/or technical terms and conditions of the solicitation contained in the Offer.

(8) Failure to submit required documents or failing to complete them properly may result in rejection of the offer without further evaluation. Therefore, Offerors are urged to follow instructions and speak with the Contracting Officer if they do not understand any part of the Solicitation.

b. DISCUSSIONS. The Government intends to evaluate proposals and award a contract without discussions with Offerors. Therefore, the Offeror’s initial proposal should contain the Offeror’s best terms from a cost or price and technical standpoint. The Government reserves the right to conduct discussions if the Contracting Officer later determines them to be necessary. If the Contracting Officer determines that the number of proposals that would otherwise be in the competitive range exceeds the number at which an efficient competition

can be conducted, the Contracting Officer may limit the number of proposals in the competitive range to the greatest number that will permit an efficient completion among the most highly rated proposals.

c. GENERAL INSTRUCTIONS.

(1) Submit only the hard-copy paper documents specifically authorized and/or required elsewhere in this section. Do not submit excess information, to include audio-visual materials, electronic media, etc.

(2) Use only 8 ½ by 11 inch paper or A4 paper for hard copy submissions, unless another paper size is specifically authorized elsewhere in this section for a particular submission. Do not use fold-outs (e.g., 11" x 14" or 11" x 17" sheets). Do not use a font size smaller than 10, an unusual font style such as script, or condensed print for any submission. All page margins must be at least 1 inch wide, but may include headers and footers. All pages must be numbered.

(3) The preferred method for assembling your proposals is to use three-ring binders; however, the use of pressboard or other report covers with compression or other type fasteners is acceptable. Do not use spring clamps or exceed the recommended capacity of the fastener or binder. Do not use plastic multi-hole/spiral binding systems, heat binding systems, or other systems which do not facilitate the ready insertion of additional pages. Do not include loose papers.

(4) "Confidential" projects cannot be submitted to demonstrate capability unless all of the information required for evaluation as specified herein can be provided to the Government as part of the Offeror's technical proposal. Offerors that include in their proposals information they do not want disclosed to the public for any purpose, or used by the Government except for evaluation purposes, must be clearly marked in accordance with the instructions at FAR 52.215-1, "Instructions to Offerors—Competitive Acquisition", paragraph (e), "Restriction on disclosure and use of data".

(5) In the case of an Offeror that is part of a large, multi-segmented business concern, provide information directly pertaining to the specific segment of the business concern (i.e., the division, group, unit, etc.) that will perform work under the prospective contract.

(6) For submissions with page limitations, the pages will be counted as follows: One side of the paper is one page; information on both the back and front of one sheet of paper will be counted as two pages. Pages furnished for organizational purposes only, such as a "Table of Contents" or divider tabs, are not included in the page limitation.

7. JOINT VENTURES

Each company that is part of a Joint Venture must submit a legally binding joint venture agreement with their Technical Proposal. The Government will not evaluate the capability of any contractors that are not included in the Joint Venture agreement. Joint Ventures must

include a copy of the legal joint venture signed by an authorized officer from each of the firms that make up the Joint Venture with the chief executive of each company identified. All agreements must be translated into English. A complete and legally binding document with all the information required under this section titled “Joint Ventures” shall be included.

If submitting a proposal as a Joint Venture, the experience, key personnel, past performance, and management approach of each of the Joint Venture Partners may be submitted for the Joint Venture Entity. The experience for each Joint Venture Partner will be considered the experience of the Joint Venture entity. Joint ventures shall submit the following additional documentation regarding their business entities:

- a. A detailed statement outlining the following in terms of percentages, where appropriate.
 - (1) The relationship of the joint venture parties in terms of business ownership, capital contribution, and profit distribution or loss sharing.
 - (2) The management approach of the joint venture in terms of who will conduct, direct, supervise and control the project and have custody and control of the assets of the joint venture and perform the duties necessary to complete the work.
 - (3) The structure of the joint venture and decision-ranking responsibilities of the joint venture parties in terms of who will control the manner and method of performance of the work.
 - (4) Identification of the key personnel having authority to legally bind the joint venture to subcontracts and state who will provide or contract for the labor and materials for the joint venture.
 - (5) Identification of the party maintaining the joint venture bank accounts for the payment of all expenses and the deposits of all receipts, keep the books and records, and pay applicable taxes for the joint venture.
 - (6) Identification of the party furnishing the facilities, such as office supplies and telephone service.
 - (7) Identification of party having overall control of the joint venture.

Other sections of the proposal shall identify, where appropriate, whether key personnel are employees of the individual joint venture partners. The proposal should further identify for which partner the employee works. If the key personnel is an employee of the joint venture, the proposal should indicate that this is the status of the employee.

If one of the joint venture parties possesses relevant experience and/or past performance, the experience and/or past performance of that firm will be considered as the experience and/or past performance of the joint venture.

*****All members of the Joint Venture shall sign the SF 1442 and the Joint Venture Agreement shall be included as part of the Technical Proposal.**

SUBCONTRACTORS

If an Offeror wishes to be credited with a subcontractor or supplier (i.e. a firm that is not the prime contractor or part of the joint venture), a letter of commitment signed by the subcontractor and the prime contractor must be submitted. The commitment letter must be submitted even if the firm is in some way related to a joint venture partner (for example, the subcontractor is subsidiary of a joint venture partner, or a subsidiary of a firm to which the joint venture partner is also a subsidiary). If an Offeror submits projects demonstrating experience by a subcontractor, a subsidiary, or a supplier, as opposed to the prime or one of the joint venture partners, the Offeror **MUST** submit a signed letter of commitment from the contractor who performed and completed the work. If a letter of commitment is not submitted, the experience will not be considered.

*****Letters of Commitment shall be included in the Technical Proposal.**

8. SPECIFIC INSTRUCTIONS FOR VOLUME 1 – TECHNICAL PROPOSAL

(1) Number of Sets of the Technical Proposal. Submit an ORIGINAL and THREE (3) additional sets of the Technical Proposal, with each set in a separate binder.

(2) Format and Contents of the Technical Proposal and List of Tabs. The original and all copies of the technical proposal will be appropriately labeled as such. Each technical proposal shall be organized using the tabs specified in the following chart. Note: The main tabs directly correlate to the evaluation factors identified in Section 00120.

TAB	CONTENTS OF THE TECHNICAL PROPOSAL	PAGE LIMITS
TAB 1 Factor 1	EXPERIENCE	5
TAB 2 Factor 2	KEY PERSONNEL	2 pages per resume
TAB 3 Factor 3	SECURITY	10
TAB 4 Factor 4	PAST PERFORMANCE	5

TAB 5 Factor 5	AFGHAN CAPACITY DEVELOPMENT	2
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(3) Page Limitations. The following page limitations are established for each factor described above:

- Factor #1, Experience – Limited to 5 pages (maximum of 5 forms)

Letters of Commitment with subcontractors (if applicable) will **NOT** count against your page limitation.

The Joint Venture agreement (if applicable) will **NOT** count against your page limitation.

- Factor #2, Key Personnel – Limited to 2 pages for each resume
- Factor #3, Security – Limited to a maximum of 10 pages.

Letter of Commitment (if applicable) from a licensed private security contractor, will **NOT** count against your page limitation.

- Factor #4, Past Performance – Limited to 5 pages (maximum of 5 forms)

Letters of recommendation, commendations, evaluations and/or awards will **NOT** count against your page limitation.

- Factor #5, Afghan Capacity Development – Limited to 2 pages (1 page for the Resume and 1 page for the Afghan Capacity Development form)

Pages submitted which exceed limitations listed above will not be evaluated. Tables of content, proposal cover letters, and tabs between proposal information do not count toward any page limitations in the proposal.

9. SPECIFIC INSTRUCTIONS FOR VOLUME II – PRICE PROPOSAL

(1) Number of Sets of the Price Proposal. Submit an ORIGINAL set of the Price Proposal in a binder.

(2) Size Restrictions and Page Limits. Use only 8 ½” x 11” or A4 pages. There are no page limits set for the price proposal. However, limit your response to information required by this solicitation. Excess information will not be considered in the Government’s evaluation.

(3) Format and Contents of the Price Proposal and List of Tabs. The Price Proposal shall be appropriately labeled and shall be organized and tabbed as indicated in the following chart.

TAB	CONTENTS OF THE PRICE PROPOSAL
TAB 1	The Proposal Cover Sheet, to include the Offeror's e-mail address, cell phone number, Name, Address, DUNS, CAGE and Tax Identification Number of the Offeror
TAB 2	The SF 1442 and Acknowledgement of all Amendments (signed and dated)
TAB 3	Section 00010, Pricing Schedule
TAB 4	Representations, Certifications, and Other Statements of Offerors

(4) Detailed Submission Instructions for the Price Proposal

TAB 1: The proposal cover sheet is required by FAR 52.215-1(2) (c) (i)-(v) and must be submitted by all Offerors. This provision, titled "Instructions to Offerors—Competitive Acquisition," and the format for the proposal cover sheet are furnished elsewhere in this section.

TAB 2: The SF 1442, Solicitation, Offer, and Award is to be completed by all Offerors and duly executed with an original signature by an official authorized to bind the company in accordance with FAR 4.102. Any and all amendments must be acknowledged by all Offerors in accordance with the instructions on the Standard Form 30, Amendment of Solicitation.

TAB 3: Section 00010 is to be completed in its entirety by all Offerors. See Sections 00010 with attached notes, for further instructions.

TAB 4: All Offerors must have electronically completed the annual representations and certifications on the "Online Representations and Certifications Application" (ORCA) website or respond with the completed representations / certifications found in the solicitation. Offerors are responsible for ensuring that these on-line Representations and Certifications are updated as necessary to reflect changes, but at least annually to ensure that they are kept current, accurate and complete. If the ORCA is not completed the Offeror must complete and return the "Representations, Certifications, and Other Statements of Offerors" included in the solicitation. If the Offeror is a Joint Venture, all participants must separately complete both the ORCA Representations and Certifications.

10. PROPOSAL FORMAT - VOLUME 1

TAB 1: FACTOR 1 - EXPERIENCE

The Proposal must contain no more than five (5) projects using the attached Experience Information Form at the end of Section 00110, representing the Offeror's experience performing work required on this solicitation. "**Same or Similar**" as referenced below, is defined as experience on projects that is the same or similar in size, scope, complexity and dollar magnitude as the project described in the solicitation.

*****EXPERIENCE reflects whether the Offeror has performed similar work before.**

Demonstrate the experience of the Offeror and/or the proposed team, including sub-contractors and Joint Ventures.

- The Offeror shall complete no more than five (5), Experience Information forms, attached at the end of Section 00110, in response to this factor. All blocks must be completed and all data must be accurate, current, and complete.
- At least two (2) of the projects submitted must be the **same or similar** to the project described in the solicitation
- All projects submitted **must be at least 50% complete.**
- At least one (1) of the projects submitted must be valued at over **\$500,000.00** **AND** must have been completed within the last 3 years. This project must be the **same or similar** to the project described in the solicitation.

In addition, the Offeror shall submit:

- At least one (1) project that has been successfully completed in the Province in which the solicitation project is to be located within the last three (3) years. This project must be 100% complete. This project **does not** have to be the **same or similar** to that described in the solicitation.

TAB 2: FACTOR 2 - KEY PERSONNEL:

The Offeror must provide a Resume for the following Key Personnel:

Project Manager for Design
Project Manager for Construction
Senior Electrical Engineer
Senior Mechanical Engineer
Senior Civil Engineer
On-Site Construction Superintendent
Safety Officer

Quality Control Manager

Project Scheduler (Resume must indicate Scheduling Software experience (e.g., Primavera, Microsoft Project))

All Resumes must include the following information and may NOT exceed two (2) pages per Resume:

- Name and title
- Project assignment
- Name of firm with which associated
- Years experience with this firm (in your field of expertise/discipline) **and** years of experience with other firms (in your field of expertise/ discipline)
- Education degree(s), year, and institution
- Active professional registration, year first registered, if applicable
- Other experience and qualifications relevant to same/similar work required under this contract
- List of projects in which the individual has worked to include Name of project(s) and project location(s)

The following key personnel must have degrees in the required disciplines:

- Project Manager for Design – Architectural or Engineering Degree
- Project Manager for Construction – Architectural or Engineering Degree
- Senior Electrical Engineer – Electrical Engineering Degree
- Senior Mechanical Engineer – Mechanical Engineering Degree
- Senior Civil Engineer – Civil Engineering Degree

ALL Key Personnel shall have a minimum of three (3) years of professional experience in their field. For example, the senior Civil Engineer must have a degree in Civil Engineering and a minimum of three (3) years of professional civil engineering experience.

TAB 3: FACTOR 3 - SECURITY PLAN

The Offeror must submit a “draft” Security Plan specific to the geographic area of the project location. The draft Security Plan must describe how the Offeror will meet the specific requirements in Technical Specification Section 01040, “Security”. At a minimum, the draft Security Plan must address the following:

- Licensed Armed Guards - Section 01040 paragraph 6.0
- Access Control to Limit Entry – Section 01040 paragraph 4.0
- Security for Road Projects, Transportation and Convoys - Section 01040 paragraph 4.2
- Movement of Project Equipment and Supplies - Section 01040 paragraph 4.2.1
- Threat Assessment - Section 01040 paragraph 5.2

- Coordinate with Local Police - Section 01040 paragraph 5.5

In addition, the Offeror must submit either a:

- 1) letter of commitment from a licensed Private Security Contractor (PSC)

OR

- 2) a statement indicating that they will self-perform the security functions.

TAB 4: FACTOR 4, PAST PERFORMANCE

The Proposal must contain no more than five (5) projects using the attached Past Performance form at the end of Section 00100, representing the Offeror's relevant Past Performance. Relevant Past Performance is defined as past performance on projects that is the same or similar in size, scope, complexity and dollar magnitude as the project described in the solicitation.

*****PAST PERFORMANCE describes how well the Offeror performed the work.**

Demonstrate the past performance of the Offeror and/or the proposed team, including sub-contractors and Joint Ventures.

- The Offeror shall complete and submit no more than five (5) Past Performance forms (one (1) form for each project) attached at the end of the Section 00110 in response to this factor. Past Performance forms submitted must be on projects that are at least 50% complete within the last three (3) years.
- The Offeror shall submit at least (1) one Past Performance form for a project that has been successfully completed (i.e., 100% complete) in the Province in which the solicitation project is located within the last three (3) years. This project does not have to be the same or similar to that described in the solicitation.
- Provide the Data Universal Numbering System (DUNS) in Block 2. A DUNS number must be provided if the contractor has obtained a number.
- The Offeror is highly encouraged to also submit letters of recommendation, commendations, and/or awards on projects, which demonstrate construction experience, if available.

TAB 5: FACTOR 5 – AFGHAN CAPACITY DEVELOPMENT:

The Offeror must provide a one (1) page Resume for the Afghan Capacity Development Manager (ACDM).

The Resume must include the following information and may NOT exceed one (1) page:

- Name
- Capacity building experience (to include but not limited to improving Afghan laborer skills including on-the-job training; working or coordinating with vocational/technical trade schools; experience with recruitment and hiring of skilled Afghan labor).

The Offeror must complete and submit the Afghan Capacity Development Form at the end of Section 00110 stating the minimum percentage of workforce to be Afghan in Column 2.

The signature block on the Afghan Capacity Development Form must be completed by an executive officer in the company who has legal authority to make the commitments.

The Offeror must fill-in Column 2 on the Afghan Capacity Development Form to show the percentage of: 1) skilled Afghan technical workers and 2) highly skilled Afghan technical workers to be employed on this project.

- Skilled Technical Workers include, but are not limited to: equipment operators, masons, reinforcing steel workers, concrete finishers, laboratory technicians, painters, and carpenters.
- Highly Skilled Technical Workers include: electricians and plumbers who have completed advanced electrical or plumbing courses with certification.

The percentage (%) of workers you indicate in Column (2) must be equal to or greater than the percentage shown in Column (3).

IMPORTANT NOTE

After Contract Award, the Afghan Capacity Development Manager must submit a “Capacity Development Plan” to the Contracting Officer describing how the Offeror will promote the education and develop skills development of Afghan citizens. The Capacity Development Plan must describe how the Offeror will meet the specific requirements in Technical Specification Section 01065 Afghan Capacity Development. Specifically, the plan must demonstrate the following:

- How the Offeror (and subcontractors) will recruit, hire, train and maintain a staff of skilled Afghan technical workers for construction trades including, but not limited to: equipment operators, masons, reinforcing steel workers, concrete finishers, laboratory technicians, painters, and carpenters.
- How the Offeror (and subcontractors) will recruit, hire, train and maintain a staff of Afghan highly skilled Afghan technical workers including electricians and plumbers.
- How the Offeror (and subcontractors) plans to coordinate and work with the technical and trade schools in the province, if applicable, where the project is being built to use

graduates from the schools and provide opportunities for the students and graduates of the schools to get on-the-job training and experience.

- During project execution, the appropriate diplomas for these skilled workers must be provided to the U.S. Government upon request.

11. PROPOSAL FORMAT - VOLUME II

TAB 1: FACTOR 6 - PRICE

The Offeror's prices shall contain all costs to complete the work contained in the Bidding Schedule that is part of this solicitation. The Offeror's prices shall contain all costs including of profit, all overhead (to include office and field overhead), labor burden, insurance, adjustments to listed prices, general and administrative expenses, subcontractor mark-up, mobilization and demobilization, and all other costs including, but not limited to, compliance with environmental laws, permits, preparation of reports, correspondence and documentation required by law or these specifications, tax laws, protection and/or moving of government property and engineering services. (Engineering services include those services that are incidental to construction, and completing submittals for construction work.) The prices shall also include costs necessary to interface with Government representatives, and coordination with occupants and other contractors as necessary. For more information see the Summary of Work.

Information to be provided in Volume II:

- Proposal Cover sheet (see instructions below)
- Offeror's e-mail address and cell phone number
- Name, Address, DUNS, CAGE and TAX Identification Number of the Contractor submitting the proposal.
- SF1442, Solicitation offer and award
- All Amendments, signed and dated
- Completed Bidding Schedule, containing the Contractor determined Prices.
- Representation and Certifications, Section 00600

Proposal Cover Sheet

1. Solicitation Number:
2. The name, address, and telephone and cell phone numbers of the Offeror (and electronic address if available):
3. A statement specifying the extent of agreement with all terms, conditions, and provisions included in the solicitation and agreement to furnish any or all items upon which prices are offered at the price set opposite each item. Statement to include any exceptions in technical or cost/price proposal or exceptions inherent in Offeror's standard terms and conditions.

4. Names, titles, and telephone and cell phone numbers (and electronic addresses if available) of persons authorized to negotiate on the Offeror's behalf with the Government in connection with this solicitation:

5. Name, title, and signature of person authorized to sign the proposal. Proposals signed by an agent shall be accompanied by evidence of that agent's authority, unless that evidence has been previously furnished to the issuing office.

6. Offeror's e-mail address, cell phone number, Name, Address, DUNS, CAGE and TAX Identification Number.

PRICE PROPOSAL EVALUATION

An initial price analysis will be conducted on the Offeror's prices using techniques pursuant to FAR 15.404-1(b) and in accordance with the solicitation. An evaluation for acceptability will be performed on each proposal in accordance with FAR 15.101-2(b). The Government will evaluate proposals as follows. First, the Government price evaluators will conduct a price analysis of overall prices and then perform a realism analysis for the purpose of measuring each Offeror's understanding of the requirements and to assess the risk inherent in an Offeror's proposal. Total prices submitted by the Offeror that are determined to be more than 25% above or below the Independent Government Estimate or more than 25% above or below the average of all the price proposals received in response to the solicitation will be considered to be unreasonably high or unrealistically low in order to perform the work and will not be considered for award.

In the event the Government receives more than ten proposals in response to this solicitation, the Government will evaluate proposals as follows. First, the Government will determine which ten (10) complete proposals have the lowest overall proposed prices. The technical (non-pricing) volume(s) of each of these proposals will be given to the Technical Evaluators for review, without identification of the prices or any rank order of prices. If no proposals are found to be technically acceptable within this first group of proposals, then the process described will be conducted again, as many times as necessary, until such time as the Government identifies a technically acceptable proposal(s).

12. LOWEST-PRICED TECHNICALLY (LPTA) ACCEPTABLE PROCESS.

An evaluation for acceptability will be performed on each proposal in accordance with FAR 15.101-2(b). The proposal that provides the lowest price and is otherwise technically acceptable in all factors will be selected for award. To be considered technically acceptable, no technical factor in the proposal may be rated as "NO GO". The failure of a proposal to meet the minimum acceptability standard for any of the factors will result in a technically unacceptable rating and may preclude award. See also Section 00120.

EXPERIENCE INFORMATION

(To be completed by Offeror)

1. Contractor:

Address:

2. Contract /Task Order(TO) /Purchase Order (PO) Number:

3. Contract/TO/PO Dollar Value:

4. Contract/TO/PO Status:

☐ **Active** ☐ **Complete**

Percent (%) complete and scheduled completion date (if active):

Completion Date (if 100% complete):

5. Project Title:

☐ **Prime** ☐ **Subcontractor**

Location (City and Province):

6. Project Description:

Features of work that the Offeror has completed to include the total dollar value for the completed work:

PAST PERFORMANCE
(To be completed by Offeror)

1. Contract /Task Order(TO) /Purchase Order (PO) Number:

2. Contractor Data Universal Numbering System (DUNS) #:

3. Contract/TO/PO Dollar Value:

4. Project Title:

Location (City and Province):

Percent complete:

Date completed:

Was Project Completed on time (within schedule) and within cost?

5. If you answered No above, provide a brief synopsis on corrective actions that were taken:

6. List of Current/On-going Projects, Dollar Value, Contract number, percentage (%) complete:

7. Points of Contact (POC)/References (minimum of 2 required and shall be the Owner or Customer of the project. Example – USACE, USAID):

Name:

Name:

Phone #:

Phone #:

e-mail:

e-mail:

Afghan Capacity Development Form (To be completed by Offeror)		
<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>
Position	Minimum percentage of workforce to be Afghan (this column to be completed by Offeror)	Target Quota (column 2 must be greater than or equal to the figures below)
Skilled Technical Workers		50%
Highly Skilled Technical Workers		25%
<p>By my signature below, I certify that I have read Section 001065 “Afghan Capacity Development” and that the company will comply with the hiring requirements for skilled Afghan technical workers (i.e., minimum of 50%) and highly skilled Afghan technical workers (i.e., minimum of 25%). I acknowledge that failure to fully comply with the Afghan First hiring requirements may result in the contract being Terminated for Default.</p> <p>Signature _____</p> <p>Printed Name _____</p> <p>Title _____</p>		

SPECIFICATION SECTION 01010

SCOPE OF WORK

(1 STORY POLICE SECURITY BUILDING)

1.0 GENERAL

This project consists of the design and construction of Afghanistan National Police (ANP) Uniformed Police District Headquarters facilities to be located at JABLUSARAJ, PARWAN Province, Afghanistan. This project is defined as the management, planning, design, material, labor, and equipment, to site adapt and construct all utilities, vehicular access, buildings, force protection measures, site security, de-mining activities, and other features as referenced herein. The work within this contract shall meet and be constructed in accordance with current U.S. design and International Building Codes (IBC), Life Safety Codes (NFPA-101), Force Protection and security standards. A partial listing of references is:

IBC, International Building Codes 2006

NFPA 101, Life Safety Codes

UFC 4-010-01, DoD Minimum Anti-Terrorism Standards for Buildings.

1.1 ENGLISH LANGUAGE REQUIREMENT

All information shall be presented in English. The Contractor shall have a minimum of one English-speaking representative to communicate with the Contracting Officers Representative (COR) at all times when work is in progress.

1.2 PERIOD OF PERFORMANCE

All work under this contract by the contractor shall be completed within the period of performance. Period of performance is the sum of 365 calendar days and the number of total weather days appropriate for the province in which the project is located, as defined by Section 1060 – 1.21.1. This period of performance starts from receipt of notice to proceed, and is the total period of performance for the Base Items. Liquidated damages in the amount of \$628.00 dollars shall be assessed for each calendar day beyond the scheduled contract completion date until contract completion and charged to the Contractor. Contract completion includes both Base and Option Items, as applicable.

This schedule allows for up to 15 days for the Contractor to achieve approval of site specific submittals.

1.3 SUBMITTALS

SD-01 Preconstruction Submittals

Certificate of completion Construction Quality Management Course; G

Demining Plan; G

Demining Certificate; G

Right of Entry (ROE) Coordinate Data; G

SD-07 Certificates

Electrician Qualifications; G

Plumbing Qualifications; G

Sheetmetal Worker Qualifications; G

1.4 CQM TRAINING REQUIREMENT

Before project design and construction begin, the Contractor's Quality Control Manager is required to have completed the U.S. Army Corps of Engineers (USACE) Construction Quality Management (CQM) course, or equivalent. The CQM course will be offered periodically by the Afghanistan Engineer District (AED), USACE. Additional approved CQM courses will be offered by Afghan schools and/or trade organizations. The Quality Assurance Branch of the AED can provide information related to AED offerings of the CQM course, as well as contact information for training centers. All alternative sources for the CQM course must be approved by the Quality Assurance Branch.

The contractor's quality control plan, as defined in USACE Guide Specification 01451 (or 01 45 04.00 10), entitled "Contractor Quality Control", must include "The name, qualifications (in resume format), duties, responsibilities, and authorities of each person assigned a CQC function." For the QC Manager, qualifications must include a certificate demonstrating completion of an AED-approved CQM course. This certificate shall be submitted and approved prior to commencement of construction. This submittal, which is considered a Division 01 requirement, is included in the submittal register. Approval is granted by the Contracting Officer's Representative with guidance by the Quality Assurance Branch

1.5 SECURITY

Security is critical to construction in Afghanistan, especially on roads and remote areas away from Coalition Force bases. The risk/threat level for the area surrounding this project site is (High), relative to the chance of attack, improvised explosive devices (IEDs), kidnapping, theft, and vandalism. The Contractor must have an appropriate amount of security/protection to match the threat in the project area and along the supply routes. A detailed security plan in accordance with Section 01040 SECURITY shall be in accordance with Section 01335 SUBMITTAL PROCEDURES and approved by the Government before construction notice to proceed.

1.5.1 SITE SECURITY

The Contractor shall provide perimeter force protection security for the developing site. Security may include but is not limited to fence and private security guards. Perimeter security shall prevent unauthorized site access and provide safety protection to the Contractor work force and government personnel for the duration of the project. The contractor is solely responsible for security however local police shall be coordinated with regarding security.

1.6 ELECTRICAL WORKERS QUALIFICATIONS

Electrical work shall be performed by Qualified Personnel with verifiable credentials, who are thoroughly knowledgeable with applicable code requirements. Verifiable credentials consist of a certificate of graduation from an approved trade school and required amount of experience. Qualified personnel are those who have received training in and have demonstrated skills and knowledge in the construction and operation of electrical equipment and installations and the hazards involved. These skills and knowledge include the ability to distinguish exposed live parts from other parts of electric equipment, to determine the nominal voltage of exposed live parts, to identify the clearance distances and corresponding voltages to which the qualified person will be exposed.

1.6.1 JOURNEYMAN ELECTRICIANS

At least two (2) journeyman electricians must be present at each construction site. Journeyman electricians are defined herein as graduates of an approved trade school, with at least four (4) years of relevant electrician experience in residential and commercial construction. Approved trade school programs include but are not limited to the Afghanistan Technical and Vocational Institute (ATVI) in Kabul. . Other acceptable trade schools must have electrician curricula similar to ATVI. Work experience resumes and graduation certificates, to serve as proof of journeyman electrician qualifications, shall be submitted and approved prior to commencement of any design or construction involving electrical work. This submittal, which is considered a Division 01 requirement, is included in the submittal register. Approval is granted by the Contracting Officer's Representative with guidance by the Quality Assurance Branch and/or the Safety Office of the Afghanistan Engineer District, U.S. Army Corps of Engineers.

1.6.2 APPRENTICE ELECTRICIANS

Apprentice electricians provide assistance to the journeyman electricians. Apprentice electricians must be graduates of ATVI or an approved alternate trade school and must have at least six (6) months of relevant electrician experience in residential and commercial construction. Work experience resumes and certificates of successful completion and graduation from an approved electrician trade school must be provided for each apprentice electrician, upon request by the Contracting Officer's Representative.

1.7 PLUMBING WORKERS QUALIFICATIONS

Plumbing work shall be performed by Qualified Personnel with verifiable credentials, who are thoroughly knowledgeable with applicable code requirements. Verifiable credentials consist of a certificate of graduation from an approved trade school and required amount of experience.

Qualified personnel are those who have received training in and have demonstrated skills and knowledge in the construction and operation of plumbing equipment and installations.

1.7.1 JOURNEYMAN PLUMBERS

At least one (1) journeyman plumber must be present at each construction site for every two (2) apprentice plumbers working. The journeyman plumber is to supervise the work done by the apprentices and insure code and quality requirement are met. The journeyman plumber is expected to perform this supervisory role for minimum of 75% of the time that they are on site. The additional 25% of the time he may perform his own tasks in the performance of the project. Journeyman electricians are defined herein as graduates of an approved trade school, with at least four (4) years of relevant plumbing experience in residential and commercial construction. Approved trade school programs include but are not limited to the Afghanistan Technical and Vocational Institute (ATVI) in Kabul. Other acceptable trade schools must have electrician curricula similar to ATVI. Work experience resumes and graduation certificates, to serve as proof of journeyman plumber qualifications, shall be submitted and approved prior to commencement of any design or construction involving plumbing work. This submittal, which is considered a Division 01 requirement, is included in the submittal register. Approval is granted by the Contracting Officer's Representative with guidance by the Quality Assurance Branch and/or the Safety Office of the Afghanistan Engineer District, U.S. Army Corps of Engineers.

1.7.2 APPRENTICE PLUMBERS

Apprentice plumbers provide assistance to the journeyman plumber. Apprentice plumbers must either be currently enrolled in or graduates of ATVI or an approved alternate trade school. Certificates of successful completion and graduation or documentation of current enrollment from an approved plumbing trade school must be provided for each apprentice plumber, upon request by the Contracting Officer's Representative.

1.8 SHEET METAL WORKERS QUALIFICATIONS

Sheet metal work shall be performed by Qualified Personnel with verifiable credentials, who are thoroughly knowledgeable with applicable code requirements. Verifiable credentials consist of a certificate of graduation from an approved trade school and required amount of experience. Qualified personnel are those who have received training in and have demonstrated skills and knowledge in the construction of sheet metal installations.

1.8.1 JOURNEYMAN SHEET METAL WORKER

At least one (1) journeyman sheet metal worker must be present at each construction site for every two (2) apprentices working. The journeyman is to supervise the work done by the apprentices and insure code and quality requirement are met. The journeyman is expected to perform this supervisory role for minimum of 75% of the time that they are on site. The additional 25% of the time he may perform his own tasks in the performance of the project. Journeyman sheet metal workers are defined herein as graduates of an approved trade school,

with at least four (4) years of relevant sheet metal working experience in residential and commercial construction. Approved trade school programs include but are not limited to the Afghanistan Technical and Vocational Institute (ATVI) in Kabul. . Other acceptable trade schools must have metal works curricula similar to ATVI. Work experience resumes and graduation certificates, to serve as proof of journeyman qualifications, shall be submitted and approved prior to commencement of any design or construction involving sheet metal work. This submittal, which is considered a Division 01 requirement, is included in the submittal register. Approval is granted by the Contracting Officer's Representative with guidance by the Quality Assurance Branch and/or the Safety Office of the Afghanistan Engineer District, U.S. Army Corps of Engineers.

1.8.2 APPRENTICE SHEET METAL WORKERS

Apprentice sheet metal workers provide assistance to the journeyman. Apprentices must either be currently enrolled in or graduates of ATVI or an approved alternate trade school. Certificates of successful completion and graduation or documentation of current enrollment from an approved sheet metal trade school must be provided for each apprentice, upon request by the Contracting Officer's Representative.

2.0 LOCATION

The site is in Jablusraraj, Parwan Province, Afghanistan located 11km north of Charikar City center, at an average elevation of 1,635 meters. The coordinates of the four corners of the site available for construction are:

Corner Point	Latitude	Longitude
1	35° 06' 39.6" North,	069° 13' 38.6" East
2	35° 06' 41.8" North	069° 13' 35.2" East
3	35° 06' 39.5" North	069° 13' 32.8" East
4	35° 06' 37.0" North	069° 13' 36.2" East

The contractor is to verify the coordinates provided and submit to the COR for approval, confirmation of the accuracy of coordinates provided. The development and construction of the site is required to be within the Right of Entry ROE. The contractor is to notify the COR should the development of the proposed site require an encroachment of the ROE boundary. The contractor is to obtain the necessary ROE for the access road connecting the proposed site development into an existing road. The submittal will include an exhibit illustrating the limits, boundaries, and coordinates representing the ROE.

3.0 UNEXPLODED ORDNANCE (UXO)

3.1 UXO REMOVAL AND CLEARANCE

The contractor shall search for, identify and clear all mines and unexploded ordnance (UXO) from the entire site. The contractor may only provide clearance/removal services via UN Mine

Action Center for Afghanistan (UNMACA) accredited entities, and clearance shall be accomplished to the anticipated foundation depth as indicated in the contract. If sub-surface construction activities are to be performed on this site the minimum clearance depth will be 1 meter. Sub-surface clearance for construction activities in excess of 1 meter as defined by the contract parameters will also be the responsibility of the contractor. Clearance by definition is an investigation and clearance of all sub-surface metallic anomalies on the site. Clearance/removal may only be undertaken in accordance with International Mine Action Standards (IMAS), Afghanistan Mine Action Standards (AMAS), and applicable U.S. Army Corps of Engineer (USACE) Ordnance & Explosives (OE) safety standards. When mines and/or UXO's are identified, the Contractor shall place them in a location in accordance with IMAS/AMAS/USACE until destruction of the items can take place. Construction work shall not occur inside the safety exclusion zone based on the most probable munition (MPM) expected on the site. Construction will not commence in any area that has not been cleared to the specified depth. If sub-surface activities

The contractor will provide a standard UXO/Demining safety work plan to the US Army Corps of Engineers UXO / Demining COR for review prior to commencement of all UXO clearance / demining activities on the project sites. Once the UXO/ Demining clearance has concluded, the contractor shall provide the US Army Corps of Engineers UXO / Demining COR a clearance certificate for review and approval before any construction activities are to commence.

NOTE 1: The USACE does not need written clearance certificate approval from the UNMACA to approve the construction start activities. However, the contractor is responsible for providing a copy of the clearance certificate to the UNMACA for entry into their country wide database. A final signed copy of the UNMACA certificate must then be provided to the USACE UXO/Demining COR.

It is the responsibility of the Contractor to be aware of the risk of encountering UXO/mines and to take all actions necessary to assure a safe work area to perform the requirements of this contract. The Contractor assumes the risk of any and all personal injury, property damage or other liability arising out of or resulting from any Contractor action taken hereunder. The Contractor and its subcontractors may not handle, work with, move, transport, render safe, or disarm any UXO/mine, unless they have appropriate accreditations under the IMAS/AMAS from the UNMACA.

If a UXO/mine is encountered after a UNMACA-approved clearance certificate is provided to the Government, UXO/mine disposal shall be handled in accordance with Section 01015, Technical Requirements.

NOTE 2: Point of Contact for UXO/Demining Safety Work Plan review and approval shall be directed to the US Army Corps of Engineers Demining Safety/COR:

UXO Safety/ Demining COR, USACE

tan.uxo.demining.safety@usace.army.mil, Roshan:079-778-6848 Comm:540-667-2127

4.0 SUMMARY OF WORK

4.1 GENERAL REQUIREMENTS FOR FACILITIES

Work shall be executed in accordance with the Section 01015 TECHNICAL REQUIREMENTS, furnished drawings and specifications. All requirements set forth in this Section, but not included in the Technical Requirements and/or drawings and specifications, shall be considered as set forth in both and vice versa. In case of question or ambiguity, the Contracting Officer (KO) shall make the final decision. The KO shall furnish the decision in writing if requested by the Contractor. Site adaptation of the provided designs and specifications shall be approved by the Contracting Officer's Representative (COR) prior to the start of work. The Contractor shall verify all dimensions provided in the scope of work prior to the start of any construction.

The contractor is encouraged to use Afghan labor and subcontractors to the maximum extent possible commensurate with technical, security or other requirements or necessary considerations. The intent of this contract is also to use locally procured materials and labor to the maximum extent possible, but this does not allow the contractor to make changes to the Government-provided drawings or specifications.

The Site Adapt work shall include the preparation of design documents and the subsequent construction of the site improvements described within this Section, Section 01015 and the Government-furnished drawings and specifications, with design adaptations to fit the actual site selected. The facilities required for each site shall include structures and all utilities as indicated in the drawings and/or specifications as provided. Site work and facilities may require design adaptations to meet site conditions, and these adaptations shall be designed and constructed in accordance with current U.S. and International Building Codes and standards and as described in these documents. The contractor must submit any changes to the Government-provided drawings and specifications in accordance with Contract Section 1335, Paragraph "Variations."

Any standard that can be determined to be substantially equivalent to the standards specified in this document may be used, but it is the Contractor's responsibility to show the equivalency of the alternate standard. Reviewable documentation must be provided to the KO for approval prior to use. Equivalency documentation must be submitted in a timely manner so as not to affect the schedule of the project. No part of the time lost due to such actions shall be made the subject of claim for extension of time, excess costs, or damages by the Contractor. A partial listing of references is included within the Request for Proposal.

Work at individual projects sites consists of the construction of a District Headquarters compound in accordance with the contract documentation. The compound consists of a one-story Multi-Purpose Police Security facility (approx 27 m x 24 m) for sixty (60) police which includes a Dining Facility (DFAC), berthing areas and offices/conference areas, armory and jail cells. It also includes force protection structures, electrical system, plumbing/sewage system, and water system. The contractor will insure that all seismic requirements are met in the construction of the facilities.

Site assessments will be provided for all of the sites, but must be verified by the contractor. The contractor is responsible for surveying, grading and drainage, and de-mining activities for the entire site. The entire site is defined by the limits of the Rights of Entry (ROE) and the site assessment.

Development of the compound contained within the required perimeter wall should utilize the most suitable land for construction based on a maximum 75 meters by 75 meters area. Area developed within the perimeter wall should not exceed 5625 square meters, nor should the length of perimeter wall exceed 300 meters. Site plans should be submitted that conform to this requirement and the requirements of the contract documents.

Leach fields may be installed outside the perimeter wall but must be installed within the limits defined by the ROE.

Manufacturer's standard performance guarantees or warranties that extend beyond a 1 year period shall be provided.

4.2 SEQUENCE OF WORK

After de-mining, but prior to the construction of any structures, the Contractor shall submit a well test plan, drill and test the water well, conduct well design activities, and submit all required information to AED for review and acceptance prior to installing any permanent well features (per AED Design Requirements document). Failure to follow this process may, at AED's discretion, result in the contractor having to remove the well casing and screen, re-drill the well and reinstall the proper features per the approved design. It is acknowledged that water may not be available at the site despite Contractor good faith efforts to find it. The Contractor shall drill one or two wells per section 01015 in an attempt to find water. If water cannot be found the contractor shall immediately notify the Contracting Officer's Representative (COR). The Contractor will be considered to have fulfilled the terms of the contract and will be entitled to the full price of the contract CLIN for well drilling, however, the Contractor must still furnish all other parts of the water distribution system as described in the specifications.

Dry wells must be de-commissioned in accordance with ASTM D 5299. The contractor must submit a written plan for de-commissioning wells.

4.3 PROGRAMATIC DESIGN CHARRETTE

The contractor shall prepare a programmatic Master Site Plan that will be generally applied to all construction locations. The Master Site Plan shall include all locations of construction office/storage containers, lay-down and construction debris removal area. The development of the master plan will include participation in a charrette that will be conducted at the Corps of Engineers Area or Resident Office administering the contract. The charrette shall be scheduled by the Government to occur within ten (10) calendar days of notice to proceed. The programmatic Master Site Plan shall be submitted to the Government no later than twenty (20) days after Notice to Proceed. Site specific adaptations of the programmatic Master Site Plan shall be submitted to the Government according to the schedule provided above.

4.4 SITE SPECIFIC SURVEYS & SUBMITTALS

For each individual construction site, the Contractor shall perform a geotechnical investigation as defined in Section 01015, perform a topographic survey of the site; adapt the programmatic Master Site Plan to the conditions applicable for specific locations; prepare a complete grading and drainage plan with existing grades, proposed grades, and building finished floor elevations based on the technical requirements; prepare a landscaping plan; prepare a water supply,

disinfection, and distribution layout plan; and prepare a wastewater collection, septic tank, and leach field layout plan. If there is a requirement for on-site demolition, the Contractor shall prepare and submit a demolition plan for that particular site. The Contractor shall not locate facilities in wadis or dry river beds. The finish floor elevation of all facilities and slabs shall be a minimum of 150 mm above the 10-year flood elevation. The contractor shall provide drawings and details to describe any adaptations to the standard design that will be required for individual project sites as a site specific submittal as necessary. At a minimum, site specific submittals shall include: the geotechnical investigation report; drawings, details and calculations associated with well construction; drawings and details associated with demolition; drawings, and details associated with site grading; drawings, details, and calculations associated with well pump, disinfection system, distribution system construction; and drawings, details and calculations associated with sanitary sewer and leach field construction.

4.5 DEMOLITION AND GRADING

As applicable, the contractor shall demolish all existing structures and buildings at the site prior to commencement of new work. The Contractor shall remove and dispose of all debris, concrete, and foundations. The Contractor shall verify the location of debris disposal with the Contracting Officer's Representative. The Contractor shall perform complete final site grading after installation of all required drainage structures per the Drainage Plan that shall be prepared as part of this project and after installation of any other buried utilities or other project components.

Native crushed stone 100 mm thick shall be placed around all buildings, from the building wall or building landscaping out 2,000 mm and all areas of anticipated foot or vehicle traffic to reduce erosion and to provide dust control. Contractor shall compact underlying subgrade to a minimum 95% of the laboratory maximum dry density as determined by ASTM D 1557, Modified Proctor test.

4.6 WATER SYSTEM

Design and construct a Potable Water System (PWS), to include a well, protected in an enclosed water well house, water well pump(s), elevated water storage tank, and an underground pipe distribution network system. The elevated water storage tank shall be constructed in strict conformance with the furnished drawings and specifications. The water system shall be designed and constructed in accordance with the AED Design Requirements, latest version, and UFC 3-230-03A Water Supply which include the use of a capacity factor. Water demand required for fire fighting and for irrigation and landscaping needs shall not be included in design demand calculations.

A manually operated, lever, hand pump shall be installed at the well head. The pump shall be used to supply water when there is no electricity.

4.7 SANITARY SEWER SYSTEM

The sanitary sewer collection and treatment system shall be designed and constructed by the Contractor. The sanitary sewer collection system shall consist of gravity sewer pipe network and accessories such as manholes, cleanouts, and building service connections.

The sanitary sewer system shall be designed to accommodate the total facility compound population as specified in the Scope of Work and verified by the contractor, including use of the required Capacity Factor from UFC 3-240-09FA Domestic Water Treatment, Chapter 4.

System capacity shall be calculated based on a hydraulic waste load equivalent to 80 percent of the water usage rate.

The gravity sewer collection system shall connect to the sewage treatment system which shall be a traditional septic tank absorption field effluent disposal system, facultative pond system or other low maintenance, cost effective system.

Geotechnical investigation of the proposed sewage treatment site is required and the contractor shall design the sewage treatment system to be compatible with site and soil conditions.

At a minimum, design shall include the following:

- (a) Site Survey. The Contractor shall conduct a topographic survey to determine existing site characteristics. The Contractor shall conduct a utility survey to determine the locations of any nearby water lines, wells, sanitary sewers, storm sewers and electrical lines.
- (b) Percolation Testing. At proposed sites for holding ponds and the absorption field, the Contractor shall perform percolation tests in accordance with AED Design Requirements: Sanitary Sewer and Septic Systems. Percolation testing may be carried out with a shovel, posthole digger, solid auger or other appropriate digging instruments. Percolation tests shall be accomplished uniformly throughout the area where the absorption field is to be located. Percolation tests determine the acceptability of the site and serve as the basis of design for the liquid absorption.
- (c) Sanitary system layout. The Contractor shall design a sanitary system layout following requirements of Section 01015 this contract. Pipe, fittings, and connections shall conform to the respective specifications and other requirements as listed in Contract Section 01015 and all of its referenced codes.
- (d) Septic system design. The Contractor shall design a septic tank and absorption field system including all tank geometry, hydraulic loading, and inlet and outlet configurations, number of compartments and related site preparation and earthwork. Design will be per specifications provided in Section 01015.

4.8 SITE POWER, ELECTRICAL, DISTRIBUTION SYSTEM, AND FUEL STORAGE

Contractor shall site adapt the provided electrical design, modifying it where required to meet NEC (NFPA 70) requirements. Contractor shall refer to Section 01015 for detail descriptions and requirements of the Systems. Major Electrical Systems are, but not limited to: (a) On-Site Power Plant, (b) Site Secondary Power Distribution System, and (c) Interior Secondary Power Distribution System. A bulk fuel storage tank is required for a 30 day supply of fuel and shall be filled with fuel upon completion of the contract.

4.8.1 ON-SITE POWER PLANT

Power Plant shall consist of one (1) 80 KW (100 KVA) generator to provide service to the Headquarters Compound. Generator shall be provided inside “weather-proof” (IP54 or better) enclosure. Generator pad shall be constructed with a reinforced concrete floor slab. A covered shelter shall be provided. The shelter shall be pole mounted and shall provide coverage for the generator and switchboard pads.

4.8.2 SITE SECONDARY POWER DISTRIBUTION SYSTEM:

Site Secondary Power Distribution System shall include installation of underground cables in direct buried, thick walled, Schedule 80 PVC conduit from the Power Plant to the individual facilities. Except under traffic areas where the conduit shall concrete encased.

4.8.3 INTERIOR SECONDARY POWER DISTRIBUTION SYSTEM:

Interior Secondary Power Distribution System, rated at 380/220 volts, 3 phase, 4 wire and 50 Hz. with wiring installed in surface mounted metal conduits, shall be provided in all facilities, including guard towers and guard shacks.

4.8.4 GENERATOR FUEL STORAGE:

The work shall include the fabrication and installation of the entire fuel storage and distribution system. Tanks shall be skid mounted and be provided with a concrete dike. The dike shall have enough capacity for the entire contents of the tank, plus 10 percent. Provide a molded neoprene isolation pad to isolate an above-ground tank from the concrete pad underneath. Steel tank supports specifically are prone to encounter premature rusting due to constant exposure to moisture and their incompatibility with concrete. Tank shall be designed and manufactured for horizontal installation. Tank shall be mounted on the tank manufacturer’s standard support skid. Skid shall span the entire length of the tank and shall separate the tank from the reinforced concrete slab by a minimum of 200 mm. Indicate on the drawings the number and size of each tank man way required. Tanks of 3,780 to 45,430 L to capacity will be provided with 760 mm diameter man ways. Tanks larger than 45,430 L will be provided with 915 mm diameter man ways. Tanks 3,780 L and larger will be provided with a minimum of 1 tank man way to allow for internal tank access. Piping will not penetrate through access man ways. Tank shall be provided with a combination cleanout and gauge connection. Vent pipe sizing shall be not less than 32 mm nominal inside diameter. Vent shall be the rupture disc type calibrated to burst at 13.8 kPa pressure, and operate at 80 percent of burst setting. Tank shall be provided with an overfill alarm system. Tank shall be provided with 2 stick gauges graduated in m and mm. Stick gauge shall be of wood and treated after graduating to prevent swelling or damage from the fuel being stored. Each storage tank shall be provided with an automatic analog reading gauge which is directly mounted to a tank’s man way cover. Provide an in-line centrifugal pump as part of the day tank package for fuel transfer from the bulk storage tanks to the day tank. Day tanks shall provide sufficient fuel for four hours of generator operation without refill. Provide cathode protection for metal components. Storage tanks shall be handled with extreme care to prevent damage during placement and shall be installed in accordance with the manufacturer’s installation instructions. Piping shall be inspected, tested, and approved before buying, covering,

or concealing. Piping shall be installed straight and true to bear evenly on supports. Piping shall be free of traps, shall not be embedded in concrete pavement, and shall drain toward the corresponding storage tank. Any pipe, fittings, or appurtenances found defective after installation shall be replaced. Below ground nonmetallic pipe shall be installed in accordance with pipe manufacturer's instructions. Belowground piping shall be laid with a minimum pitch of 25 mm per 6 m.

4.9 FORCE PROTECTION MEASURES

The Contractor shall construct force protection measures as detailed in the drawings which include perimeter walls, gates, vehicle barriers, guard sheds and guard towers. Construct perimeter walls as indicated on the site plan from native stone, as shown on the drawings. Install outriggers and single-strand concertina wire on top of the wall. The walls shall measure at least 2.4 m high from grade inside the compound. Interior grade shall be higher than exterior grade. Wall thickness shall be not less than 600 mm. Guard towers shall be constructed at all four site corners at an offset to allow visual observation along the outside face of the wall. Outrigger supporting arms shall be "Y" shaped with post securely embedded into the top of the wall. Posts shall conform to the IBC standard for Pipe, Steel, Hot Dipped Zinc Coated (Galvanized) Welded.

4.9.1 PERIMETER WALL

Masonry or native stone walls shall be constructed around the perimeter of the site. The height of the walls shall measure at least 2.4 meters from the inside and outside grades. The wall shall be topped with barbed wire outriggers and single-coil concertina style razor wire. The ground grade shall slope away from the wall for at least 5 meters and shall be kept a minimum of 2.4 meters below the top of wall for a minimum distance of 10 meters. The wall shall be designed to keep all pedestrian and truck traffic outside the compound from having a visual line of site into the compound.

4.9.2 ECP

The Entry Control Point (ECP) will include a manually operated swing steel gate for vehicles and a separate steel swing gate for personnel. The ECP will also include two guard sheds. Design vehicle for ECP entrance is a fuel delivery/septic tank truck typical for region of project site.

The Escape Hatch will include a manually operated, steel, swing gate.

4.9.3 GATES

The gates shall be swing type. Hinged gates shall be a pair of 3.65 m wide x 2.4 m high leafs, constructed of steel plates, steel tube frame, and steel tube intermediate posts and rails at the ECP and a single gate, 3.65 m wide x 2.4 m high and similarly constructed at the Escape Hatch. Where site constraints prohibit vehicular sized swing gate at the Escape Hatch provide personnel sized steel swing gate.

The design of the gates shall insure that it is dimensionally stable, square, true and planar. Gate leafs shall not rack or deflect when install on its hinges. Gates shall have a sufficient number of hinges, anchor mounted to the exterior masonry walls, to support each gate leaf. Provide a

locking mechanism that holds the gates together when in the closed position as well as a drop bolt that engages a steel sleeve embedded in the pavement.

4.9.4 GUARD SHACKS

Construct one guard shack, located outside the compound at the stand-off ECP location of 3.1 meters. Construct a second guard shack inside the perimeter wall adjacent to the personnel gate. Construction shall be in accordance with the drawings.

4.9.5 GUARD TOWERS

The contractor shall construct four (4) guard towers in accordance with the drawings at the four corners of the compound. Guard towers shall be offset from force protection wall corner to allow sight down the outside face of the wall. Access ladders shall be constructed per OSHA Standards. Guard towers shall be provided with general lighting and shall be fitted with one 360-degree omni- directional searchlight. Two weather-resistant duplex receptacles shall be provided as required for general use. The area in the immediate exterior vicinity of the guard tower shall be provided with an all weather non-slip surface and shall be graded to sufficiently drain away from structure.

4.10 FENCING AND BARRICADES

Fencing shall consist of the types shown or described herein. Chain link fences, 2 meters in height, shall be provided around both the water supply and power generation/fuel storage areas. Double swinging gates should be provided in both fences to allow direct vehicular access to the well, and to the generator. Gates should include locking mechanisms that can be secured with a padlock to prevent unauthorized entry. Entire fences, including gates, should be topped with triple strand barb wire.

4.11 PARKING, ROADS, & WALKWAYS

The Contractor shall design and construct the entire road and parking network. The roads shall be designed to carry traffic of a 40 metric-ton five-axle vehicle. A storm drainage system shall also be included. The road layout shall provide access to entry control points, parking lots, vehicle maintenance facilities, fuel points, generator yard, sewage septic tank, and the trash collection point. Provide parking area for a minimum of 4 vehicles inside the compound. Road design shall be designed per Section 01015, Technical Requirements. Roadways and sidewalks are required as shown on attached drawings and shall be designed and constructed based upon recommendations from geotechnical analysis as required herein.

Design and provide a network of sidewalks to connect the buildings.

4.12 VEHICLE RE-FUELING POINT

The Contractor shall design and construct a low profile vehicle re-fueling point, as specified in Section 01015, capable of storing 19,000 liters of diesel. It shall be located as near as practicable to the Generator fuel storage facility. The Contractor shall provide a full supply of fuel to the tanks at the time of turnover to the Government. The Contractor shall provide capability for fuel

delivery from two locations – one from outside the wall surrounding the compound and one directly into the fuel tanks. The delivery point outside the compound wall shall be lockable and securable from tampering or sabotage. Provide a fuel dispensing island with one fuel dispenser. Vehicle Re-Fueling Point shall have a metal roof covering.

A typical vehicle refueling point drawing is provided in the Appendix. Contractor shall modify the vehicle refueling point for only diesel fuel and one dispensing pump.

4.13 TRASH POINT

The Contractor shall place, in a location convenient for easy removal, a trash collection point. It shall be located outside the compound walls. The trash point shall be a 1.8 m x 1.8 m concrete pad with 1.8 meter high stucco finished masonry wall about the perimeter. Wall shall be paced on reinforced concrete footings and shall have a concrete coping similar to the force protection wall. One side shall have a 1.2 m wide gate entrance.

4.14 DISTRICT HEADQUARTERS BUILDING

The contractor shall site adapt and construct the Police Security Building in accordance with the scope of work, technical specifications, and drawings. The District Headquarters Building shall consist of a reinforced concrete frame, foundation, floor slab, and roof slab, with masonry infill walls. Truss supported metal roof shall be provided over concrete roof slab.

This facility will contain the following functions: berthing of personnel; kitchen/dining; latrines to include sinks, toilets, showers; security area to include holding cells, latrines, weapons storage, and guard room; and administrative space (offices). An outside wood stove kitchen shall be provided. Specific requirements are as indicated below:

(a) Foundation Work and Floor - Construct the foundation in accordance with the contract documentation. Foundation excavation shall extend a sufficient distance from walls and footings to allow for placing and removal of forms. The Contractor shall direct surface water away from the excavation to prevent erosion and undermining the foundation by constructing diversion ditches, dikes, or other site grading.

(b) Holding Cells - Construct holding cells in accordance with all contract documents. The holding cells shall not have windows and each holding cell shall have solid reinforced walls as indicated in the drawings. Each holding cell will have a 11-13 gauge steel door with a dead-bolt lock. The door shall have a pass-through slot for passing of food trays with a hinged cover lockable from the outside. Built into the bottom of the door shall be a 300 mm wide by 500 mm tall door for passing a bucket in and out with a hinged cover lockable from the outside. Install a 2400 mm long bench securely bolted to the floor with a wall mounted steel bar. Contractor will construct an Afghan toilet (eastern style) oriented in the correct cultural direction with a screen about 1300 mm high in front of the toilet. Per design, separate gender holding cells will be constructed. An adjacent small mechanical room, as shown on drawing A-1, is required for hot water tank storage and a small air handling unit to provide ventilation and heating to the cells.

(c) **Armory (Weapons Storage)** - The armory shall have solid reinforced walls, as indicated in the drawings, with a 11-13 gauge steel door with a dead-bolt lock. Roof slab shall be a 200mm reinforced concrete slab.

(d) **Dining Area and Kitchen** – The Contractor shall design and construct a kitchen and dining area in accordance with the contract documents. The complete and functional dining and kitchen facility shall be capable of feeding up to thirty (30) personnel at one sitting based on the menu and functional requirements of the ANP and the local availability of food service equipment and supplies. Dining area walls and doors shall have no interior glazing. The contractor shall provide 14 gauge, type 304, (18-8) minimum stainless steel work counters, shelving, scullery sink, stoves, electrical capacity, outlets, and space for future refrigerators and freezers (not in contract) within the DFAC. A 1200 x 1800 mm serving opening (serving counter may be stainless steel or marble) is required between the dining area and kitchen with the purpose of both serving food and for dish return. Opening shall have fire rated shutter and no glazing allowed. Equipment shall be durable, easy to operate, maintain, clean, and be locally available. All work counters and scullery shall have an 800 mm deep work surface at 900 mm above the floor and supported by pairs of stainless steel legs (front and back of counters) at 1800 mm maximum centers. Provide integral stainless steel backsplashes at each side adjoining a wall (trim as required at the pass-thru opening). Work counters shall be continuous and fixed to the walls or 800 x 1800 minimum units. See floor plan for proposed kitchen layout. Design must be submitted and approved by the contracting officer prior to purchasing or installing any equipment or furnishings. The stoves in the kitchen shall be propane type. Stoves in exterior kitchen annex shall be wood burning type. Propane shall be provided with standard 100 lb bottles. Trench type floor drains shall be installed in front of the dishwashing area and the propane and cooking stoves. Install a large wash basin with a low rim height designed for washing very large pots. Fire protection is to be provided by portable fire extinguishers at easily accessible locations. Kitchen adjacent pantry room storage is required. Technical requirements for the propane stoves, kitchen ventilation and wood stoves are provided in Section 01015.

(i) **Plumbing** – Plumbing fixtures shall be in accordance with section 01015

(j) **Clotheslines** – Provide clotheslines behind the building, approximately 5 m in length with 4 lines across spaced 410 mm apart and of sufficient strength to prevent sagging when all of the lines are loaded.

4.15 FIRE PROTECTION FEATURES:

No sprinkler system is required, but alarm and smoke detection system is required and detailed in section 01015. All walls, both interior and exterior area 200 mm CMU construction and constitute fire wall protection. All corridor doors shall be 20 minute rated. Both dining room doors shall be 90 minute rated, contain no glazing and have panic hardware. All door glazing must be fire rated and not exceed 0.065 SM in area. Complete fire door requirements are shown on the attached drawings.

-- END OF SECTION --